

National Certificate in Building, Construction and Allied Trades Skills (BCATS)
Teacher Information & Resources

**Plan and monitor the construction
of a BCATS project, and quality
check the product**

Unit Standard – 24358

Level 2, Credit 2





Teaching and assessment tips

Intent – The intent of the unit standard is that the learner is able to

- plan the manufacturing process for a BCATS project;
- implement that plan and monitor progress and quality; and
- compare the final product against job specifications and identify any variances.

Unit standard interpretation

Planning, monitoring and checking for quality must be completed for 1 project, such as: wooden garden furniture, a dog kennel, a pergola. If a different project is selected it must be of a similar complexity.

We would encourage you to use practical projects that your students are completing as part of the BConstructive programme.

A Project Plan Assessment Record sheet is included in the resources as a model of how evidence for the unit standard can be collected. It is provided in Microsoft Word format so that you can adapt it to suit your programme and to give the students more room to write.

Assessment



Assessment of this unit standard consists of:

- Completion of the project and
- Completion of the Project Plan Assessment Record sheet

Example oral assessment questions & answers

1. Describe two advantages of breaking a task into a series of stages.

This will allow you to:

Think more clearly.

Plan more effectively.

Make better use of materials /less wastage.

Track your own personal progress.

2. Identify the most appropriate measuring equipment for each of the following situations.

- Measuring the length of a wall? *Tape measure.*
- Marking out the sizes of a cabinet? *Ruler and try square.*
- Turning a spigot to within a tolerance of + .5mm? *Vernier callipers.*

3. Describe two different methods that can be used to test a job for square

Measuring the diagonals.

Use of roofing or try square.

Use the 3:4:5 ratio to identify a square corner.

4. What are three ways of communicating job information?

Plans.

Working drawings.

Written and verbal instructions.

5. What is the purpose of a Time Activity Programme?

It effectively monitors the actual progress of a project.

6. Where would information on the quality of the material be found?

In the specifications.

7. Why must the job specifications be sufficiently clear and concise?

So the people involved in the project can interpret and understand them.

Assessment Schedule

US 24358 Plan and monitor the construction of a BCATS project, and quality check the product (Level 2, Credit 2)

Candidates are required to complete **one** specified BCATS project as evidence for assessment against this unit standard. Examples of suitable projects include: wooden garden furniture, a dog kennel, a pergola or projects of similar complexity.

Outcome 1	Plan the manufacturing process for a BCATS project	Assessment evidence and judgement
ER 1.1	Job specifications are obtained and confirmed in accordance with workplace practice.	Evidence gathered from the project plan assessment record sheet showing; <ul style="list-style-type: none"> • Instructions are read and/or listened to and clarified if required.
ER 1.2	Stages of the job are identified and a project plan is produced in accordance with project requirements and workplace practice.	Evidence gathered from the project plan assessment record sheet and project plan showing; <ul style="list-style-type: none"> • Stages of the plan are correctly identified. • Project plan is produced.
ER 1.3	Quality control procedures to be used during production are identified in accordance with project requirements.	Evidence gathered from the project plan assessment record sheet showing; <ul style="list-style-type: none"> • Correct identification of quality control procedures.
ER 1.4	Material and equipment requirements are established in accordance with project requirements.	Evidence gathered from the project plan assessment record sheet showing; <ul style="list-style-type: none"> • Material and equipment requirements.
Outcome 2	Implement project plan, and monitor progress and quality of manufacturing process and product	Assessment evidence and judgement
ER 2.1	Stages of production process are implemented in accordance with the project plan, and amendments documented.	Evidence gathered from the project plan assessment record sheet and project plan showing; <ul style="list-style-type: none"> • Stages of production process are correctly implemented.
ER 2.2	Identified quality control procedures are implemented during the production process in accordance with workplace practice.	Evidence gathered from the project plan assessment record sheet and project plan showing; <ul style="list-style-type: none"> • Quality control methods are implemented.
Outcome 3	Compare the final product against job specifications and identify any variances	Assessment evidence and judgement
ER 3.1	Product is checked and measured against the job specifications.	Verified evidence of a completed project. Evidence gathered from the project plan assessment record sheet and project plan showing; <ul style="list-style-type: none"> • Finished project is checked and compared to job instructions.
ER 3.2	Any variances between the product and the job specifications are identified, and remedial actions required for product to meet quality control requirements are identified.	Evidence gathered from the project plan assessment record sheet and project plan showing <ul style="list-style-type: none"> • Any variances are identified. • Any remedial action identified to meet quality control requirements.